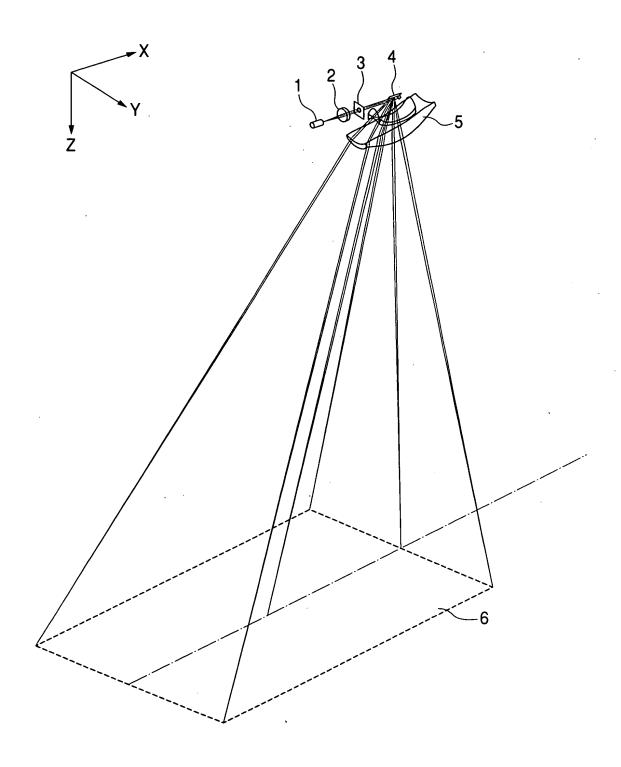
FIG. 1



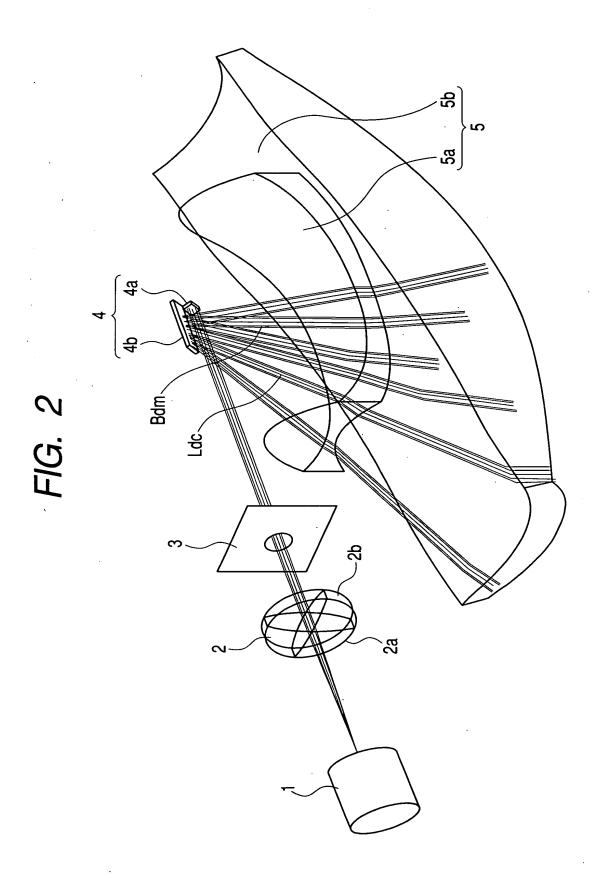


FIG. 3A

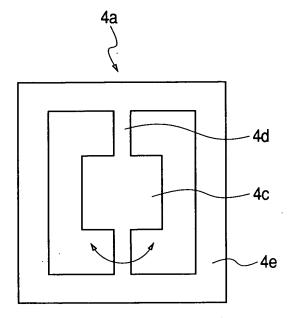


FIG. 3B

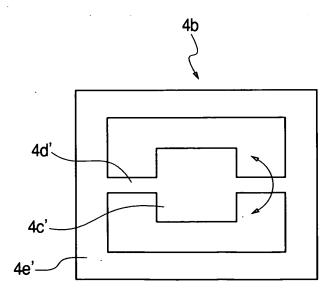


FIG. 4

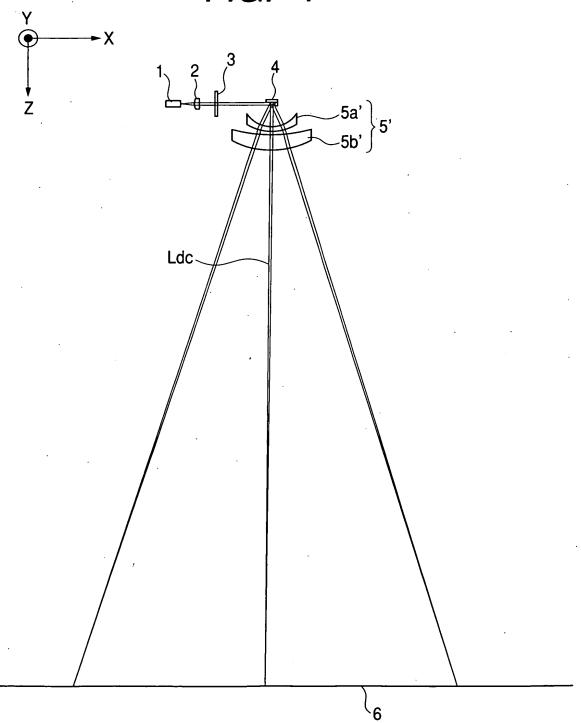


FIG. 5A

				OPTICAL	OPTICAL SYSTEM					
OPTICAL	OPTICAL SURFACE	Radius of Curvature	SURFACE SEPARATION	POSITION VERTEX	Position of Surface Vertex	RFACE	TILT OF TO SURF	TILT OF NORMAL TO SURFACE	REFRACTIVE INDEX	DISPERSION
DEVICE	SURFACE	y radius of Curvature	SURFACE SEPARATION	POSITION	POSITION POSITION Y	POSITION Y	TILT ZX	TILT ZX TILT ZY	Nd	ρΛ
		(mm)	(mm)	(mm)	(ww)	(mm)	(ded)	(geb)		
DEFLECTING UNIT 4	REFLECTING SURFACE		19.490	0.000	0.000	0.000				
FIRST	INCIDENT SURFACE	-52.6860	3.000	19.490	000'0	0.000	0.000	0.000	1.53064	55.5
SCAINING LENS 5a'	LIGHT EMER- GENCE SURFACE	-72.9672	2.000	22.490	0.000	0.000	0.000	0:000		
SECOND	INCIDENT SURFACE	-89.0572	12.712	24.490	000'0	0.000	0.000	0.000	1.53064	55.5
LENS 56'	LIGHT EMER- GENCE SURFACE	-61.7955	432.671	37.202	0.000	0.000	0.000	0.000		
SURFACE TO BE SCANNED 6				469.873	0.000	0.000	0.000	0.000		

FIG. 5B

		ASPHERICAL	COEFFICIENT		
DEVICE	FIRST SCANN	IING LENS 5a'			К
SURFACE	INCIDENT	SURFACE			-1.8977E+01
	Y ⁰	Y ²	Y ⁴	Y ⁶	Y ⁸
X ⁰	0.0000E+00	-2.4329E-03	9.5563E-05	4.2894E-07	-6.3143E-10
X ²	-4.5363E-03 8.9788E-05		-3.7654E-07	-1.9146E-09	0.0000E+00
X ⁴	-7.1872E-05	6.0851E-07	-5.6160E-09	0.0000E+00	0.0000E+00
X ⁶	-4.7550E-08	2.5491E-09	0.0000E+00	0.0000E+00	0.0000E+00
X8	-1.1199E-10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 5C

	· ·	ASPHERICAL	COEFFICIENT		
DEVICE	FIRST SCANN	IING LENS 5a'			K
SURFACE	LIGHT EMERGE	NCE SURFACE			3.3674E+00
	Y ⁰	Y ²	Υ ⁴	, Y ⁶	Υ ⁸
X ⁰	0.0000E+00	-8.8805E-03	1.0608E-04	3.4862E-07	2.2660E-09
X ²	-6.1817E-03	1.2334E-04	-3.7014E-07	-3.7415E-09	0.0000E+00
X ⁴	-2.1866E-05	2.1179E-07	-7.2546E-10	0.0000E+00	0.0000E+00
X ⁶	-6.5104E-08	8.2409E-10	0.0000E+00	0.0000E+00	0.0000E+00
X8.	7.1489E-11	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 5D

	· · · · · · · · · · · · · · · · · · ·	ASPH	ERICAL COEF	FICIENT		
DEVICE	SECOND S LENS 5b'	SCANNING				К
SURFACE	INCIDENT	SURFACE				8.7944E-01
	Υ0	γ2	Υ ⁴	Υ ⁶	Y ⁸	Υ ¹⁰
X ₀	0.0000E+00	-7.9033E-03	-2.5900E-05	4.6536E-08	6.0897E-10	5.5563E-13
X ²	-5.6029E-04 -6.1477E-07		3.2752E-08	2.8149E-10	6.6453E-12	0.0000E+00
X ⁴	4.0844E-06	-1.5741E-08	1.4739E-10	-5.1325E-13	0.0000E+00	0.0000E+00
X ⁶	-2.3846E-09	2.4979E-12	-1.4764E-13	0.0000E+00	0.0000E+00	0.0000E+00
X8	-2.9666E-13	1.8946E-14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ¹⁰	-2.2325E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 5E

		ASPHI	ERICAL COEF	FICIENT		
DEVICE	SECOND LENS 5b'	SCANNING				K.
SURFACE	LIGHT EMERGE	NCE SURFACE				1.1223E+00
	Υ0	γ2	γ4	Υ ⁶	Υ ⁸	Υ ¹⁰
X ⁰	0.0000E+00	-2.6639E-03	-1.7603E-05	1.8446E-08	-1.1943E-10	-4.1606E-14
X ²	-3.1540E-04	-8.5071E-06	2.2095E-08	6.8159E-11	6.2392E-13	0.0000E+00
X ⁴	-5.8311E-06	-9.8501E-10	-5.5316E-11	-2.0112E-13	0.0000E+00	0.0000E+00
X ⁶	7.9053E-09	-2.6452E-12	2.7772E-14	0.0000E+00	0.0000E+00	0.0000E+00
X8	-4.4063E-12	-1.2391E-15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ¹⁰	6.4081E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 6A

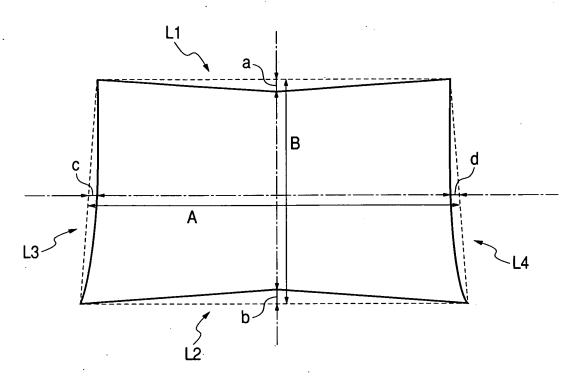


FIG. 6B

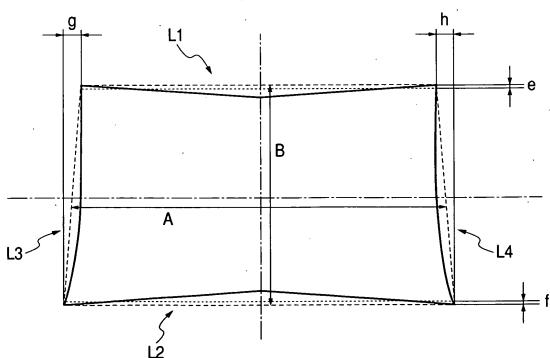


FIG. 7

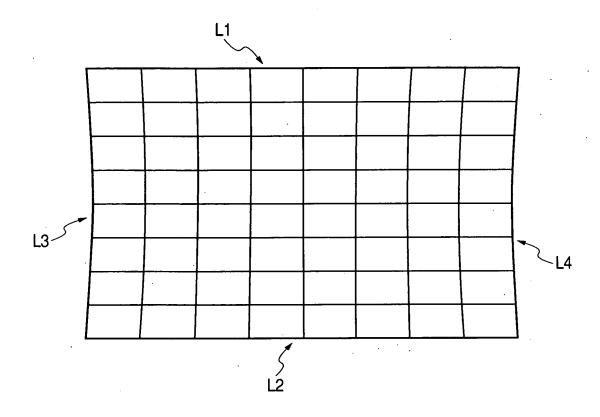


FIG. 8

TV DIS	STORTION	TRAPEZOI	DISTORTION
UPPER SIDE	0.121 (%)	UPPER SIDE	0.000 (%)
LOWER SIDE	-0.121 (%)	LOWER SIDE	0.000 (%)
LEFT SIDE	1.533 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-1.533 (%)	RIGHT SIDE	0.000 (%)

FIG. 9

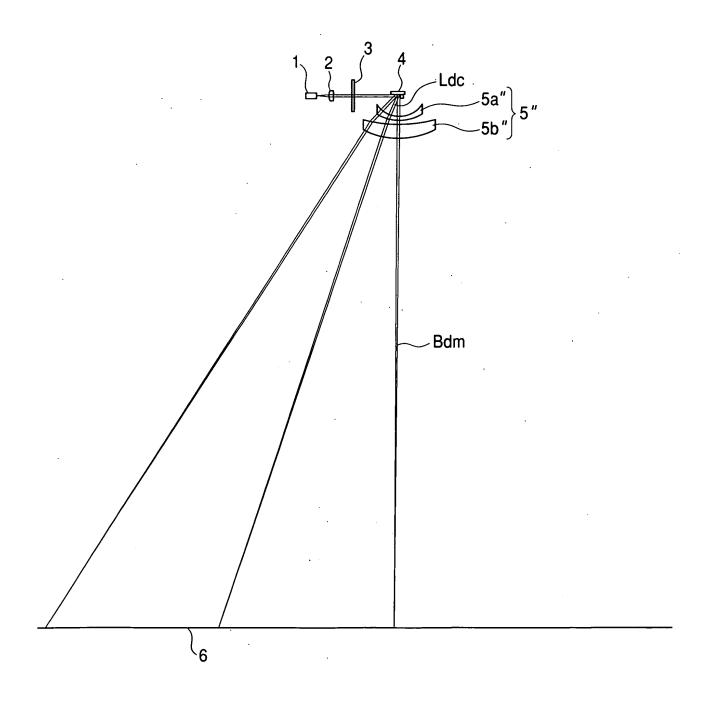


FIG. 10

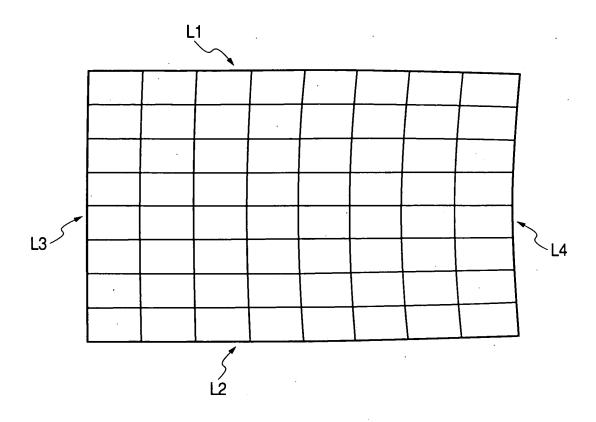


FIG. 11

TV DIS	STORTION	TRAPEZOII	DISTORTION
UPPER SIDE	0.900 (%)	UPPER SIDE	1.021 (%)
LOWER SIDE	-0.900 (%)	LOWER SIDE	1.021 (%)
LEFT SIDE	0.000 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-1.702 (%)	RIGHT SIDE	0.000 (%)

FIG. 12

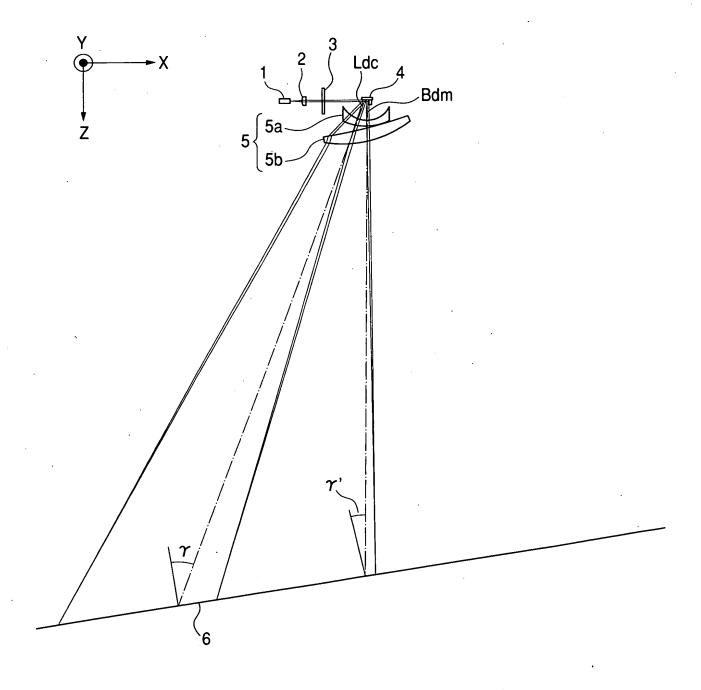


FIG. 13

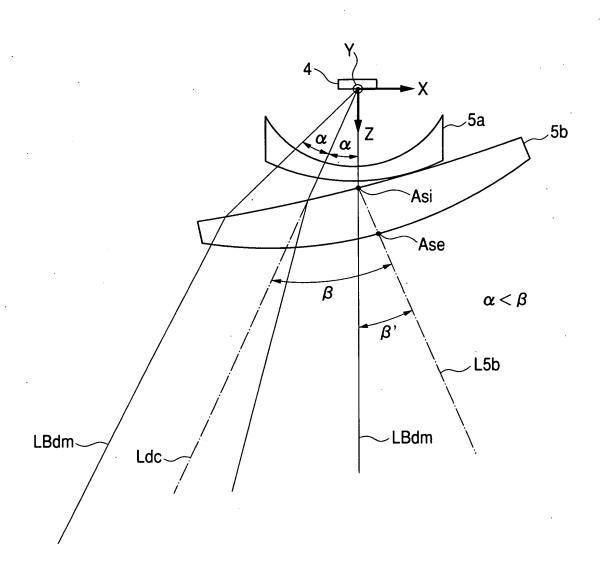


FIG. 14A

				OPTICAL SYSTEM	SYSTEM					·
OPTICAL	OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION		POSITION OF SURFACE VERTEX		TILT OF TO SURF	TILT OF NORMAL TO SURFACE	REFRACTIVE INDEX	DISPERSION
DEVICE	SURFACE	y radius of Curvature	SURFACE SEPARATION	POSITION Z	POSITION POSITION Y	POSITION Y	XZ LIIL	TILT ZY	Nd	ρΛ
		(mm)	(mm)	(mm)	(mm)	(mm)	(bap)	(geb)	-	
DEFLECTING UNIT 4	DEFLECTING REFLECTING UNIT 4 SURFACE		20.288	0.000	0.000	0.000				
FIRST	INCIDENT SURFACE	-63.8275	3.000	20.288	0.000	0.000	0.000	0.000	1.53064	55.5
SCAINING LENS 5a	LIGHT EMER- GENCE SURFACE	-93.3323	2.000	23.288	0.000	0.000	0.000	0.000		
SECOND	INCIDENT SURFACE	-121.5431	12.712	25.288	0.000	0.000	15.561	0.000	1.53064	55.5
LENS 5b	LIGHT EMER- GENCE SURFACE	-78.8558	417.508	38.000	3.540	0.000	15.561	0.000		
SURFACE TO BE SCANNED 6				455.508	8.426	0.000	10.134	0.000		

FIG. 14B

		ASPHERICAL	COEFFICIENT		
DEVICE	FIRST SCANN	IING LENS 5a			K
SURFACE	INCIDENT	SURFACE			-2.3031E+00
	Y ⁰	Y ²	Υ ⁴	Y ⁶	γ8
X ⁰	0.0000E+00	8.9907E-04	1.1848E-04	4.0591E-07	-2.9912E-09
X ²	-4.7842E-03 7.4447E-05		-4.1490E-07	-9.1047E-10	0.0000E+00
X ⁴	-6.9854E-05	6.4756E-07	-5.6615E-09	0.0000E+00	0.0000E+00
X ⁶	-3.4655E-08	2.5051E-09	0.0000E+00	0.0000E+00	0.0000E+00
X ⁸	-1.2845E-10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 14C

		ASPHERICAL (COEFFICIENT		
DEVICE	FIRST SCANN	NING LENS 5a			K
SURFACE	LIGHT EMERGE	NCE SURFACE			-9.9922E+00
	Υ0	γ2	Υ ⁴	Y ⁶	Υ8
X ⁰	0.0000E+00	-1.2594E-02	9.6063E-05	3.2645E-07	5.2057E-10
. X ²	-6.1191E-03	1.2948E-04	-2.7195E-07	-2.5534E-09	0.0000E+00
X ⁴	-2.2681E-00	1.8864E-07	-1.1439E-09	0.0000E+00	0.0000E+00
X ⁶	-6.6590E-08	9.0531E-10	0.0000E+00	0.0000E+00	0.0000E+00
X8	7.5080E-11	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 14D

		ASPH	IERICAL COEF	FICIENT		
DEVICE	SECOND (LENS 5b	SCANNING				· K
SURFACE	INCIDENT	SURFACE				8.7944E-01
	Υ0	γ ² .	Υ ⁴	Y ⁶	Υ8	Y ¹⁰
X ⁰	0.0000E+00	-1.2929E-02	-3.9672E-05	-2.4341E-08	6.5352E-10	3.0567E-12
X ²	-3.3604E-04	-1.0658E-05	-2.2548E-08	3.3417E-11	8.6494E-13	0.0000E+00
X ⁴	5.2175E-06	-1.1900E-08	8.2217E-11	-1.9087E-13	0.0000E+00	0.0000E+00
Χ6	-1.8294E-09	8.7846E-12	-2.8013E-14	0.0000E+00	0.0000E+00	0.0000E+00
X8	2.6515E-15	-9.9952E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ¹⁰	1.0610E-16	0.0000E+00	0.0000E+00	.0.0000E+00	0.0000E+00	0.0000E+00

FIG. 14E

		ASPHI	ERICAL COEF	FICIENT		
DEVICE	SECOND LENS 5b	SCANNING				К
SURFACE	LIGHT EMERGE	NCE SURFACE	·			2.2545E-01
	Υ0	γ2	γ4	Υ ⁶	Υ ⁸	Y ¹⁰
X ⁰	0.0000E+00	-1.0930E-03	-1.4592E-05	3.0157E-08	-8.5957E-11	4.1395E-13
X ²	-4.1889E-04	-2.2205E-05	-8.9921E-09	2.1539E-11	-4.1669E-14	0.0000E+00
X ⁴	-4.9253E-06	1.9010E-09	-1.6464E-11	-1.5503E-13	0.0000E+00	0.0000E+00
X ⁶	8.5327E-09	-3.3855E-12	7.4694E-15	0.0000E+00	0.0000E+00	0.0000E+00
X8	-4.1149E-12	1.6041E-15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ¹⁰	6.9470E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 15

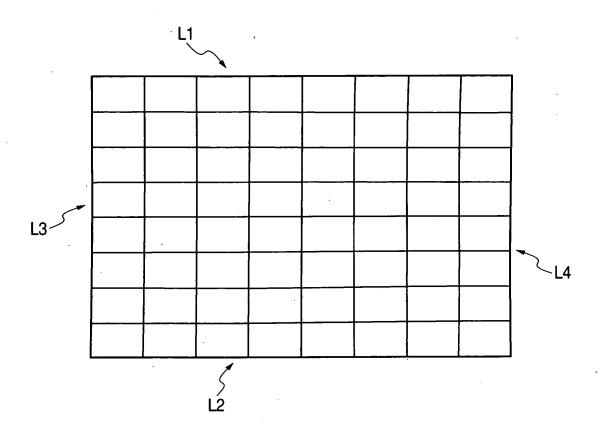


FIG. 16

TV DIS	STORTION	TRAPEZOID	DISTORTION
UPPER SIDE	0.148 (%)	UPPER SIDE	0.045 (%)
LOWER SIDE	-0.148 (%)	LOWER SIDE	0.045 (%)
LEFT SIDE	0.266 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.037 (%)	RIGHT SIDE	0.000 (%)

FIG. 17

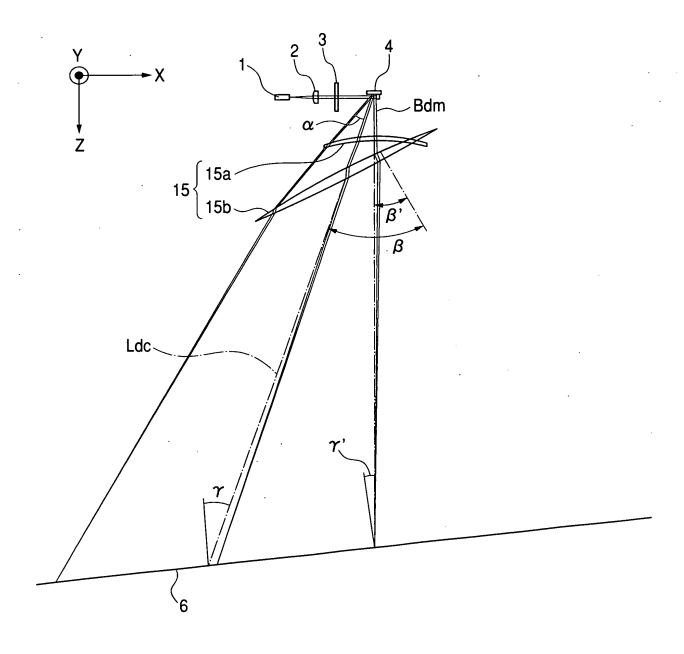


FIG. 18A

•				OPTICAL SYSTEM	SYSTEM					,
OPTICAL	OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION		POSITION OF SURFACE VERTEX	3FACE	TILT OF TO SURF	TILT OF NORMAL TO SURFACE	REFRACTIVE INDEX	DISPERSION
DEVICE	SURFACE	y radius of Curvature	SURFACE SEPARATION	POSITION Z	POSITION POSITION POSITION	POSITION Y	TILT ZX TILT ZY	TILT ZY	Nd	νd
		(mm)	(mm)	(mm)	(mm)	(mm)	(gap)	(geb)		
DEFLECTING UNIT 4	DEFLECTING REFLECTING UNIT 4 SURFACE		39.860	0.000	0.000	0.000				
FIRST	INCIDENT SURFACE	144.1589	3.000	39.860	0.000	0.000	0.000	0.000	1.75520	27.5
LENS 15a	LIGHT EMER- GENCE SURFACE	153.0713	2.000	42.860	0.000	0.000	0.000	0.000		
SECOND	INCIDENT SURFACE	180.5564	0.140	44.860	20.004	0.000	25.000	0.000	1.75520	27.5
LENS 15b	LIGHT EMER- GENCE SURFACE	-199.8478	399.471	45.000	69.405	0.000	33.141	0.000		
SURFACE TO BE				444.471	-0.296	0.000	6.835	0.000		
SCANNED 6										

FIG. 18B

		ASPHERICAL	COEFFICIENT		
DEVICE	SECOND S LENS 15b	SCANNING			K
SURFACE	INCIDENT	SURFACE			-2.1677E+00
	Y ⁰	Y ²	Υ ⁴	Y ⁶	Υ8
Χ0	0.0000E+00	-1.1493E-02	3.7211E-07	0.0000E+00	0.0000E+00
X ²	4.7398E-04	-4.4403E-08	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	-2.8232E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ⁶	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 18C

		ASPHERICAL	COEFFICIENT		
DEVICE	SECOND LENS 15b	SCANNING			K
SURFACE	LIGHT EMERGI	ENCE SURFACE			-6.0053E-01
	Υ0	Y ²	Υ ⁴	Y ⁶	Υ8
X ₀	0.0000E+00	-7.8454E-03	-4.6779E-07	0.0000E+00	0.0000E+00
X ²	2.0545E-03	-1.0375E-07	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	1.2955E-08	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ₆	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 19

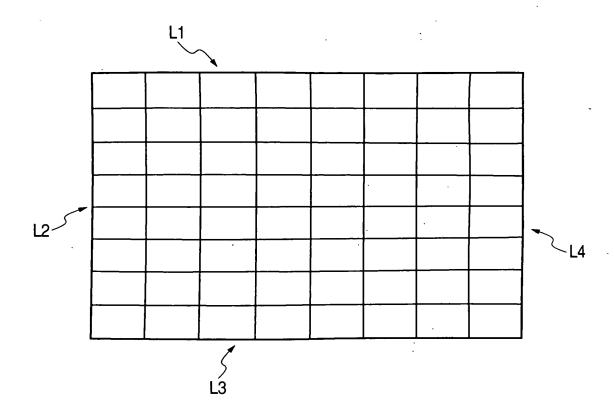


FIG. 20

TV DIS	STORTION	TRAPEZOI	DISTORTION
UPPER SIDE	0.163 (%)	UPPER SIDE	0.110 (%)
LOWER SIDE	-0.163 (%)	LOWER SIDE	0.110 (%)
LEFT SIDE	0.194 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.106 (%)	RIGHT SIDE	0.000 (%)

FIG. 21

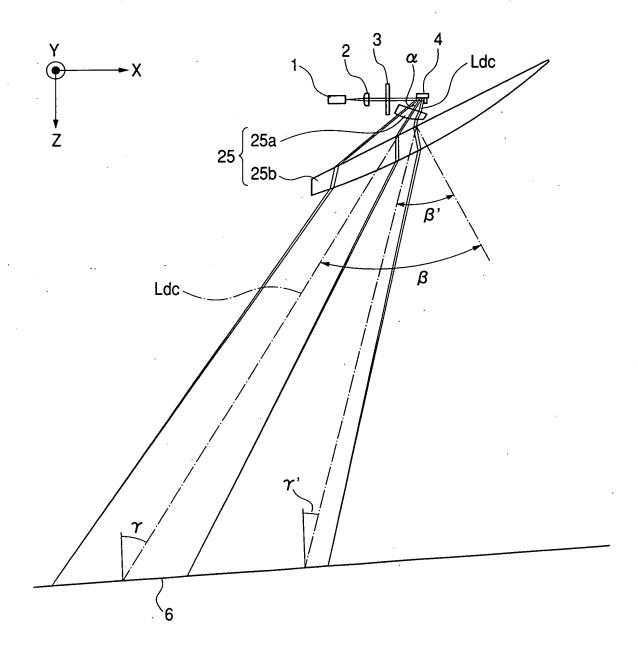


FIG. 22A

				OPTICAL SYSTEM	SYSTEM					
OPTICAL	OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION		Position of Surface Vertex	1FACE	TILT OF TO SURF	TILT OF NORMAL TO SURFACE	REFRACTIVE INDEX	DISPERSION
DEVICE	SURFACE	Y RADIUS OF CURVATURE	SURFACE SEPARATION	POSITION Z	POSITION POSITION X	POSITION Y	XZ LIIL	KZ LIIL	Nd	νd
		(mm)	(mm)	(mm)	(mm)	(mm)	(bap)	(bap)		
DEFLECTING UNIT 4	DEFLECTING REFLECTING UNIT 4 SURFACE		19.471	0.000						
FIRST	INCIDENT SURFACE	-59.2564	0.140	19.471	32.136	0.000	0.000	0.000	1.48749	70.4
LENS 25a	LIGHT EMER- GENCE SURFACE	-56.7891	0.140	19.611	6.104	0.000	0.000	0.000		
SECOND	INCIDENT SURFACE	177.3642	0.700	19.751	13.353	0.000	30.000	0.000	1.74330	49.2
LENS 25b	LIGHT EMER- GENCE SURFACE	-202.4853	535.957	20.451	149.086	0.000	47.218	0.000		
SURFACE TO BE				556.408	-88.835	0.000	4.961	0.000		
SCANNED 6										

FIG. 22B

		ASPHERICAL	COEFFICIENT		
DEVICE	SECOND S LENS 25b	SCANNING			К
SURFACE	INCIDENT	SURFACE			-9.8701E+00
	Υ0	Y ²	γ4	Y ⁶	γ8
X ⁰	0.0000E+00	-7.1559E-03	8.6088E-08	0.0000E+00	0.0000E+00
X ²	-6.5182E-04	4.4616E-08	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	2.3774E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ₆	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ⁸	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 22C

		ASPHERICAL	COEFFICIENT		
DEVICE	SECOND S LENS 25b	SCANNING			К
SURFACE	LIGHT EMERGE	NCE SURFACE			-9.9096E-01
	Y ⁰	Y ²	Υ ⁴	Y ⁶	Υ8
X ⁰	0.0000E+00	-2.7111E-03	-2.8962E-07	0.0000E+00	0.0000E+00
X ²	1.6414E+00	-3.8837E-08	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	-9.3506E-10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ₆	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 23

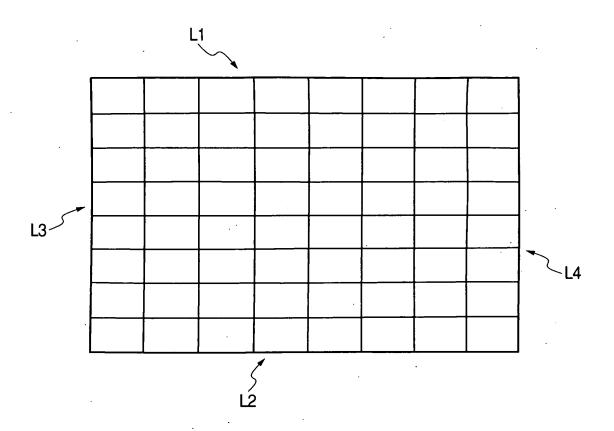


FIG. 24

TV DIS	STORTION	TRAPEZOI	DISTORTION
UPPER SIDE	0.037 (%)	UPPER SIDE	-0.010 (%)
LOWER SIDE	-0.037 (%)	LOWER SIDE	-0.010 (%)
LEFT SIDE	0.064 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.111 (%)	RIGHT SIDE	0.000 (%)

FIG. 25

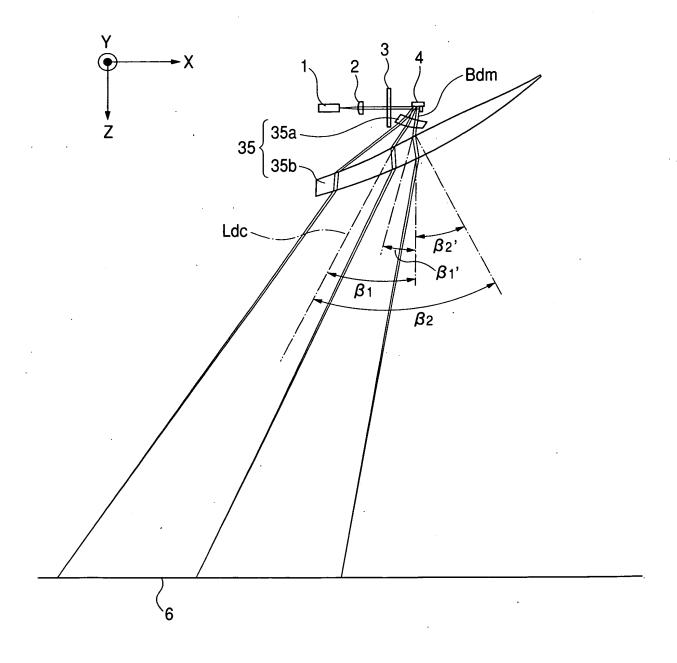


FIG. 264

				OPTICAL	OPTICAL SYSTEM					
OPTICAL	OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION		Position of Surface Vertex	3FACE	TILT OF TO SURF	NORMAL FACE	TILT OF NORMAL REFRACTIVE TO SURFACE INDEX	DISPERSION
DEVICE	SURFACE	Y RADIUS OF S CURVATURE	SURFACE SEPARATION	POSITION Z	POSITION POSITION Y	POSITION Y	TILT ZX	דונד בא דונד בץ	PN	νd
	·	(mm)	(ww) ·	(mm)	(mm)	(ww)	(bap)	(geb)		
DEFLECTING UNIT 4	DEFLECTING REFLECTING UNIT 4 SURFACE		16.489	0.000		:		:		
FIRST	INCIDENT SURFACE	-105.7343	0.160	16.489	. 27.222	0.000	7.471	0.000	1.48749	70.4
LENS 35a	LIGHT EMER- GENCE SURFACE	-278.2567	0.100	16.649	-6.940	0.000	-1.813	0.000		
SECOND	INCIDENT SURFACE	83.4333	002'0	16.749	11.342	0.000	28.187	0.000	1.74330	49.2
LENS 35b	LIGHT EMER- GENCE SURFACE	-183.4301	499.855	17.449	119.730	0.000	48.187	0.000	-	
SURFACE TO RF				517 304	-68 625	0.000	0000	0000		
SCANNED 6										

FIG. 26B

	····	ASPHERICAL	COEFFICIENT		
DEVICE	FIRST SCANN	ING LENS 35a			К
SURFACE	INCIDENT	SURFACE			-4.3379E+00
	Υ0	Y ²	Υ ⁴	Y ⁶	Υ8
X ⁰	0.0000E+00	4.4406E-03	2.0695E-05	0.0000E+00	0.0000E+00
X ²	-6.4421E-03	1.0958E-05	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	2.3784E-07	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ₆	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 26C

		ASPHERICAL	COEFFICIENT		
DEVICE	FIRST SCANN	ING LENS 35a			K
SURFACE	LIGHT EMERGE	ENCE SURFACE			-7.5714E+01
,	Υ0	Y ²	Υ ⁴	Υ ⁶	Υ8
X ⁰	0.0000E+00	-9.8325E-03	5.1377E-07	0.0000E+00	0.0000E+00
X ²	-9.0439E-04	7.0829E-08	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	4.1836E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ⁶	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 26D

		ASPHERICAL	COEFFICIENT		
DEVICE	SECOND LENS 35b	SCANNING			К
SURFACE	INCIDENT	SURFACE	FACE		-7.5714E+01
	Υ0	γ2	Y ⁴ Y ⁶		Υ8
X ⁰	0.0000E+00	-9.8325E-03	5.1377E-07	0.0000E+00	0.0000E+00
X ²	-9.0439E-04	7.0829E-08	0.0000E+00	0.0000E+00	0.0000E+00
X ⁴	4.1836E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X ⁶	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 26E

	ASPHERICAL COEFFICIENT							
DEVICE	SECOND S LENS 35b	SCANNING			К			
SURFACE	LIGHT EMERGE			-9.5698E - 01				
	γ ⁰ γ ² γ ⁴ γ ⁶		Y ⁶	Υ8				
X ⁰	0.0000E+00	-3.3817E-03	-7.0526E - 07	0.0000E+00	0.0000E+00			
X ²	1.5315E-03 -1.0305E-07		0.0000E+00	0.0000E+00	0.0000E+00			
X ⁴	-1.3855E-09 0.0000E+00		0.0000E+00	0.0000E+00	0.0000E+00			
X ⁶	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

FIG. 27

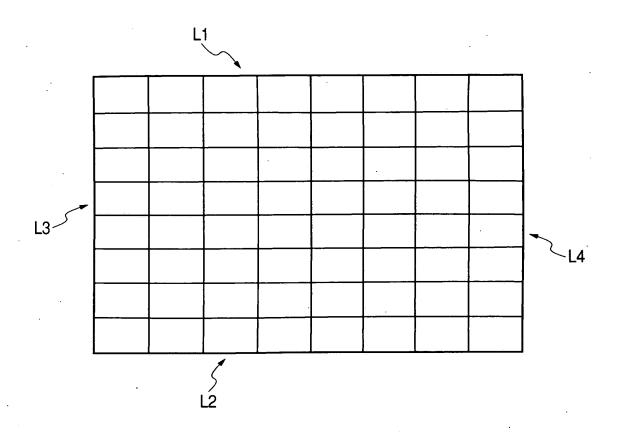


FIG. 28

TV DIS	STORTION	TRAPEZOII	D DISTORTION
UPPER SIDE	0.058 (%)	UPPER SIDE	0.012 (%)
LOWER SIDE	-0.058 (%)	LOWER SIDE	0.012 (%)
LEFT SIDE	0.069 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.060 (%)	RIGHT SIDE	0.000 (%)

FIG. 29

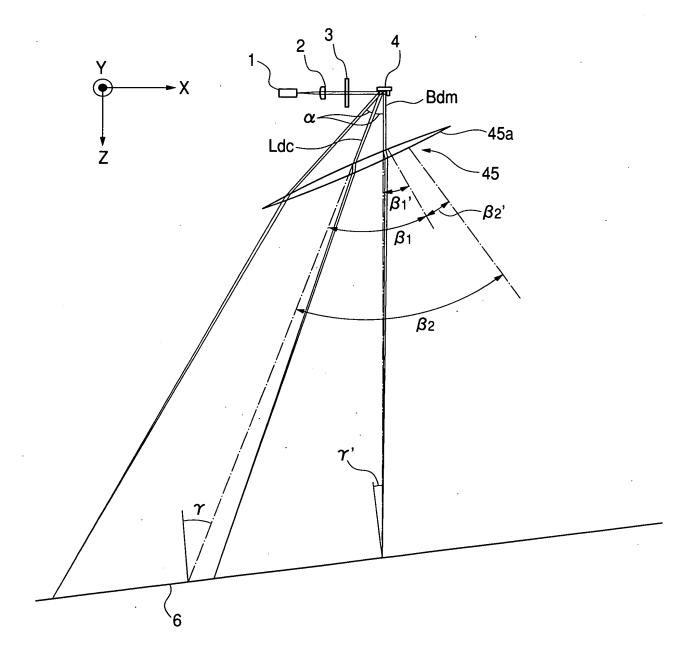


FIG. 30A

				OPTICAL SYSTEM	SYSTEM					
OPTICAL	OPTICAL SURFACE	Radius of Curvature	SURFACE SEPARATION	POSITION VERTEX	Position of Surface Vertex	FACE	TILT OF NORMAL TO SURFACE	NORIMAL ACE	REFRACTIVE INDEX	DISPERSION
DEVICE	SURFACE	Y RADIUS OF SURFACE CURVATURE SEPARATION	SURFACE SEPARATION	POSITION Z	POSITION POSITION X	POSITION Y	דונד בא דונד בץ	TILT ZY	Nd	νd
		(mm)	(mm)	(mm)	(mm)	(mm)	(bap)	(ded)		
DEFLECTING UNIT 4	DEFLECTING REFLECTING UNIT 4 SURFACE		49.860	0.000						
FIRST	INCIDENT SURFACE	172.0144	0.140	49.860	12.932	0.000	25.000	0.000	1.75520	27.5
LENS 45b	LIGHT EMER- GENCE SURFACE	-178.0748	402.084	50.000	68.349	0.000	36.040	0.000		
SURFACE TO BE SCANNED 6				452.084	1.457	0.000	8.421	0.000		

FIG. 30B

	ASPHERICAL COEFFICIENT							
DEVICE	FIRST SCANN	ING LENS 45a			К			
SURFACE	INCIDENT	SURFACE			-9.6195E+02			
	Υ0	γ2	Υ ⁴	Y ⁶	Υ8			
X ⁰	0.0000E+00	-1.4038E-02	2.7472E-06	-3.1388E-10	0.0000E+00			
X ²	3.0160E-04	-4.3890E-08	-2.3366E-11	0.0000E+00	0.0000E+00			
Χ4	-1.6218E-09	9.1459E-13	0.0000E+00	0.0000E+00	0.0000E+00			
X ⁶	3.3836E-14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00			

FIG. 30C

		ASPHERICAL	COEFFICIENT				
DEVICE	FIRST SCANN	ING LENS 45a			K		
SURFACE	LIGHT EMERGE	ENCE SURFACE			-7.0304E-01		
	Υ0	Y ²	Υ ⁴	Y ⁶	Υ8		
X ⁰	0.0000E+00	-9.9320E-03	3.4709E-07	3.8799E-10	0.0000E+00		
X ²	1.6734E-03 -1.3457E-07		-1.0293E-12	0.0000E+00	0.0000E+00		
X ⁴	1.8684E-08 -1.4702E-12		0.0000E+00	0.0000E+00	0.0000E+00		
X ⁶	-3.6730E-14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00		
X8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00		

FIG. 31

,		 		

FIG. 32

TV DIS	STORTION	TRAPEZOII	DISTORTION
UPPER SIDE	0.173 (%)	UPPER SIDE	0.097 (%)
LOWER SIDE	-0.173 (%)	LOWER SIDE	0.097 (%)
LEFT SIDE	0.132 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.198 (%)	RIGHT SIDE	0.000 (%)

FIG. 33

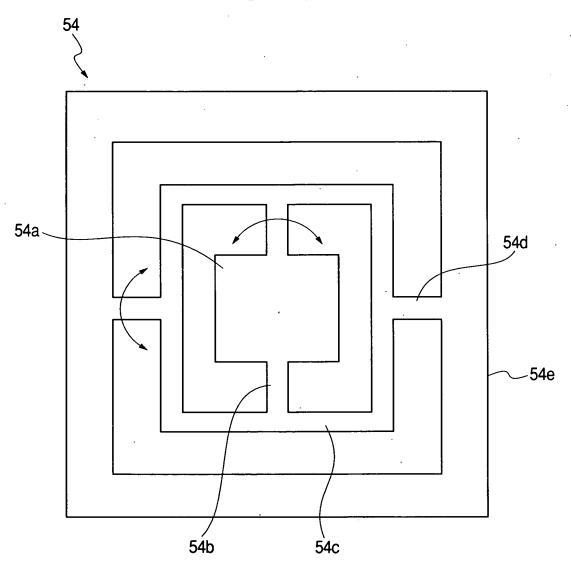


FIG. 34A

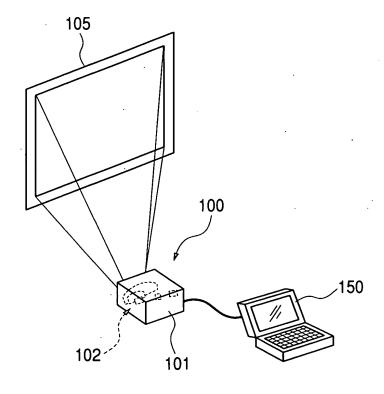


FIG. 34B

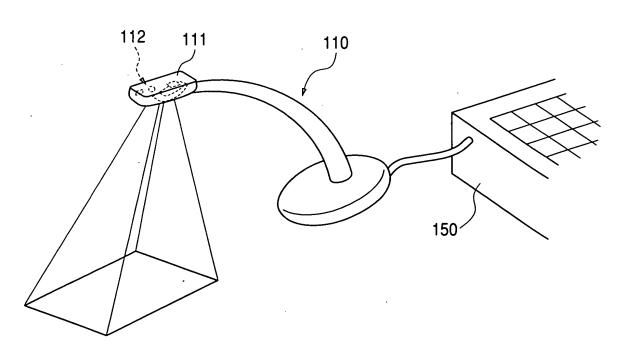


FIG. 35

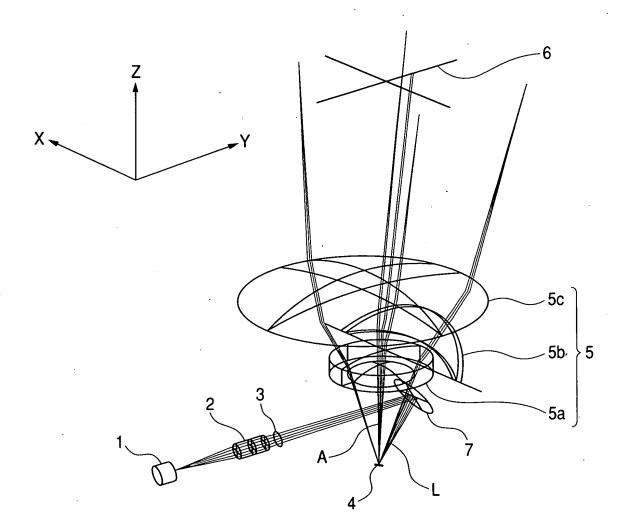


FIG. 36

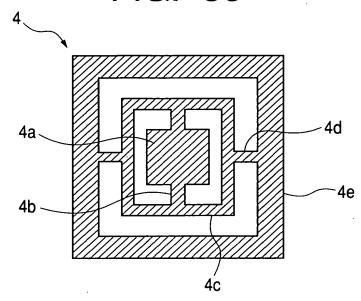


FIG. 37

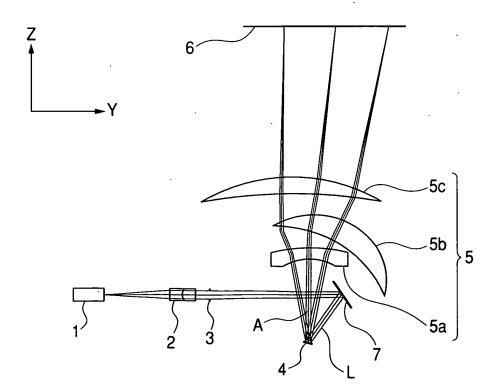


FIG. 38

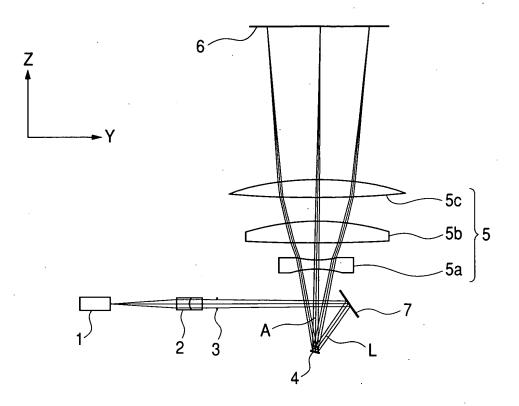


FIG. 39

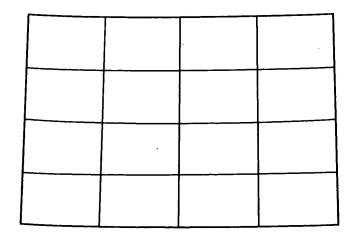


FIG. 40

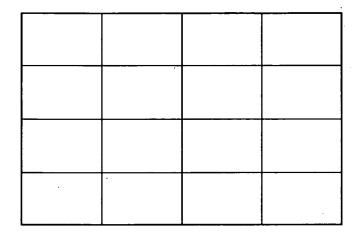


FIG. 41

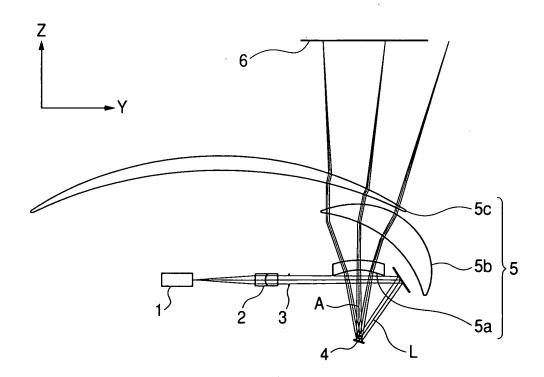


FIG. 42

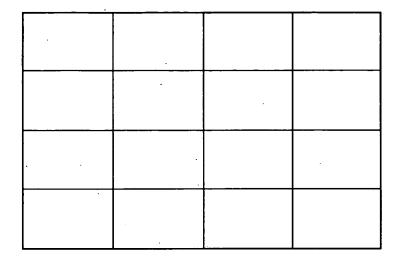


FIG. 43

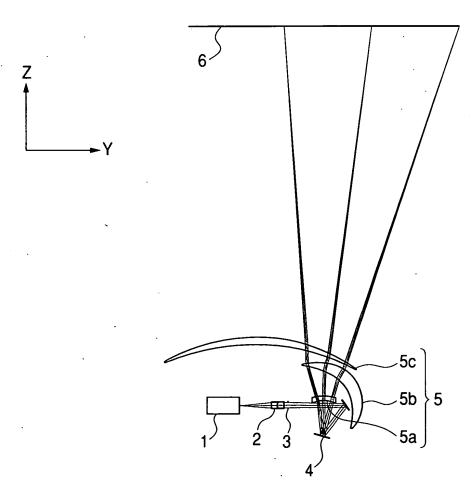


FIG. 44

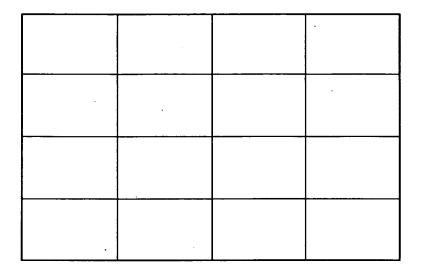


FIG. 45

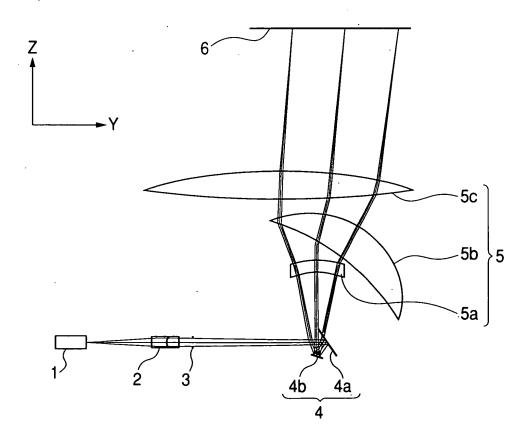


FIG. 46

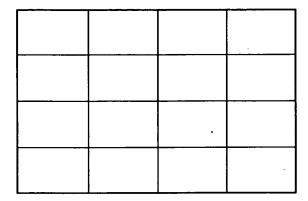


FIG. 47

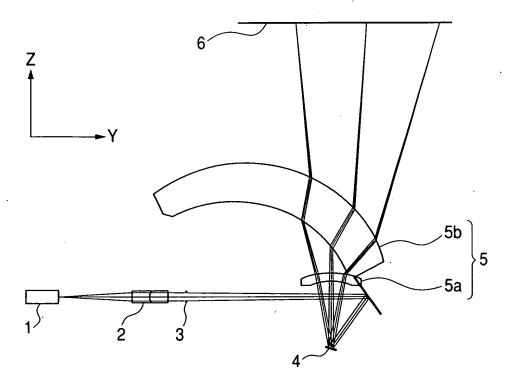


FIG. 48